

## Section 7

### List of Contents

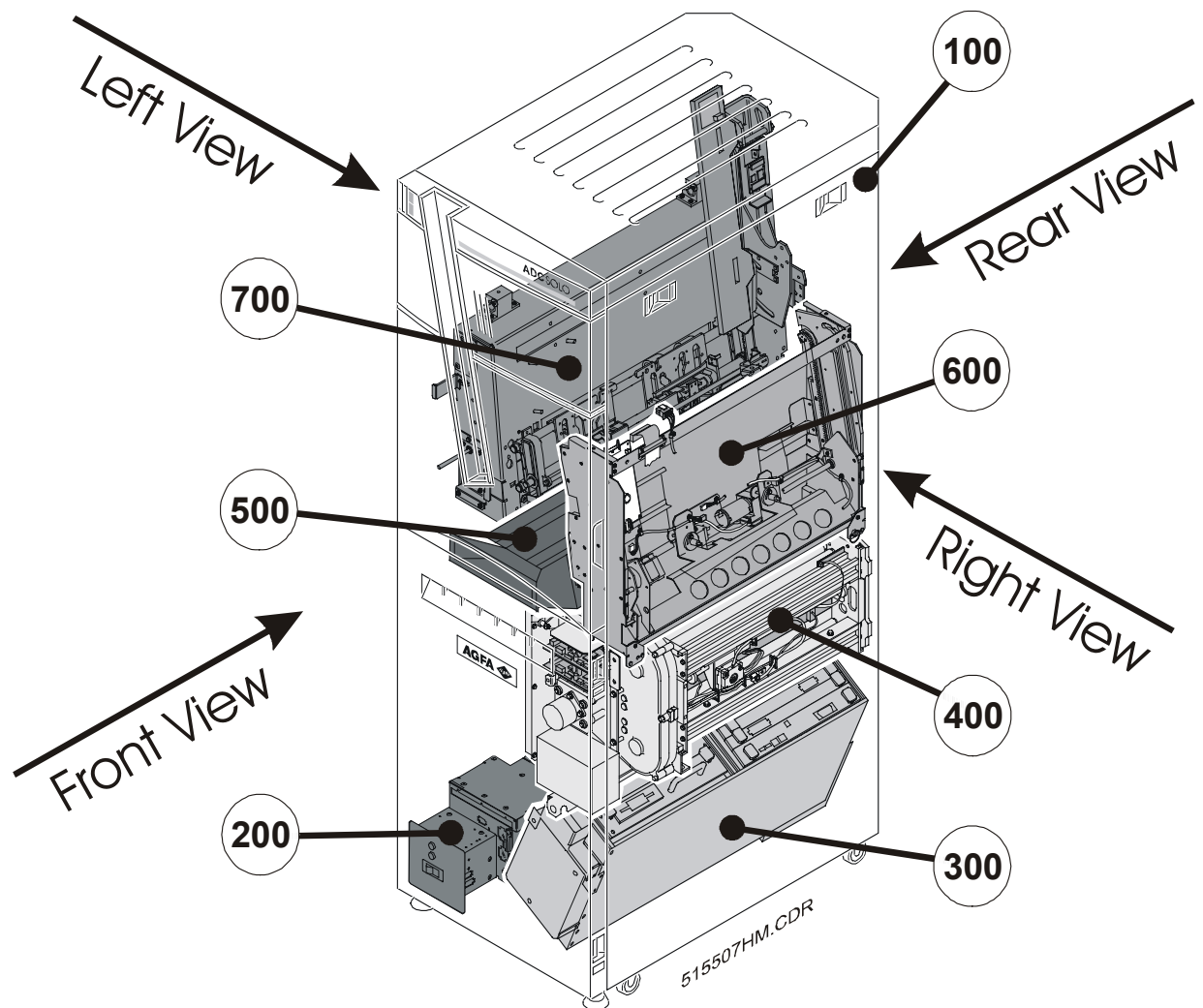
<b>1.</b>	<b>Abbreviations &amp; reference diagrams.....</b>	<b>1</b>
<b>1.1.</b>	<b>Structural overview .....</b>	<b>1</b>
<b>1.2.</b>	<b>ADC Solo Frame..... (100) .....</b>	<b>2</b>
<b>1.3.</b>	<b>ADC Solo Power unit ..... (200) .....</b>	<b>4</b>
<b>1.4.</b>	<b>ADC Solo VME – Rack ..... (300) .....</b>	<b>6</b>
<b>1.5.</b>	<b>ADC Solo Scan unit ..... (400) .....</b>	<b>8</b>
<b>1.6.</b>	<b>ADC Solo Erasure unit .... (500) .....</b>	<b>10</b>
<b>1.7.</b>	<b>ADC Solo IP transport ..... (600) .....</b>	<b>12</b>
<b>1.8.</b>	<b>ADC Solo Cassette unit... (700) .....</b>	<b>14</b>
<b>2.</b>	<b>Printed Circuit Boards .....</b>	<b>16</b>

## 1. Abbreviations & reference diagrams

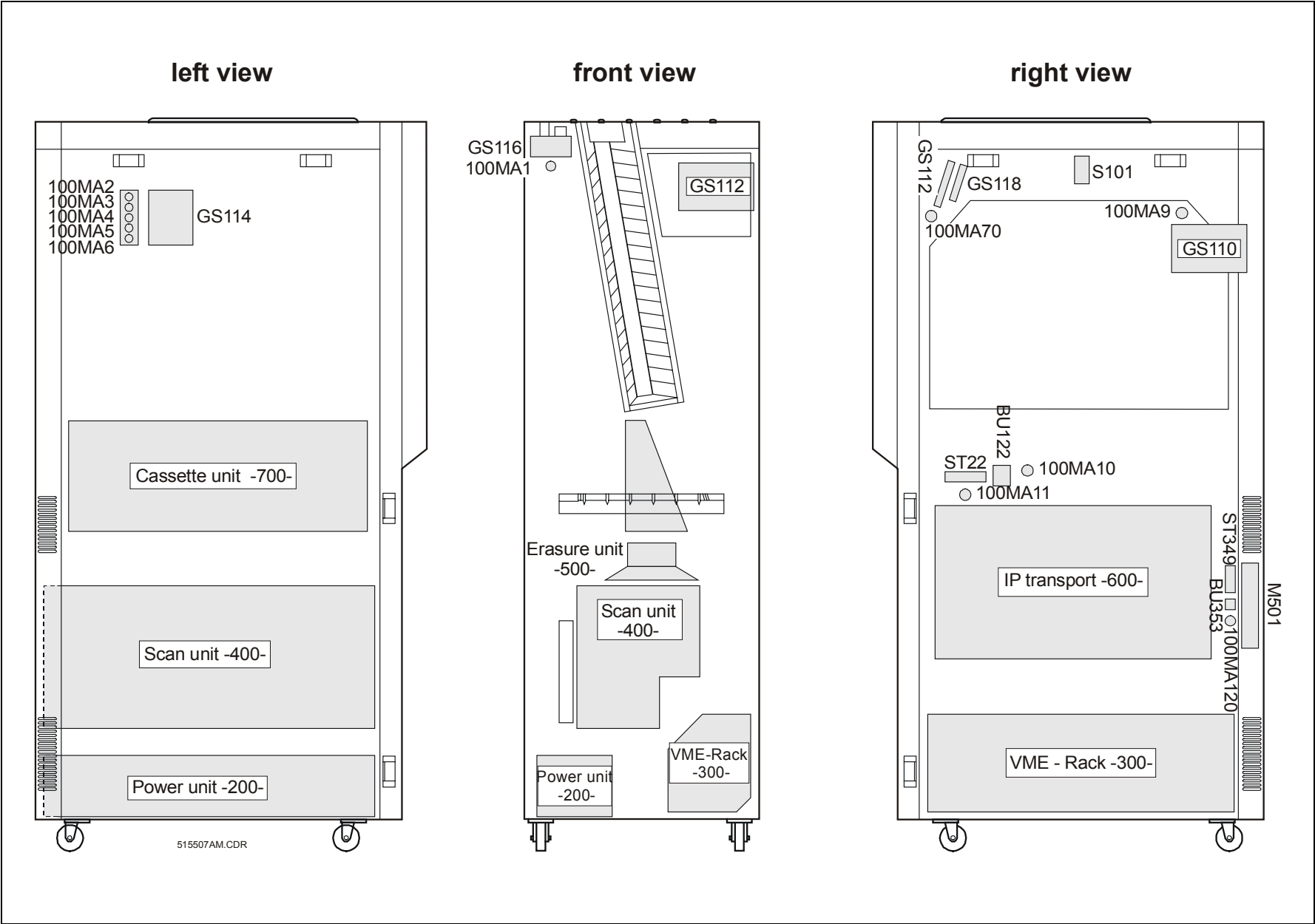
### 1.1. Structural overview

Block Diagram	Module-No.
ADCS frame	-100-
ADCS power unit	-200-
ADCS VME rack	-300-
ADCS scan unit	-400-
ADCS erasure unit	-500-
ADCS IP transport	-600-
ADCS cassette unit	-700-

Example: GS210 belongs to module no. 200

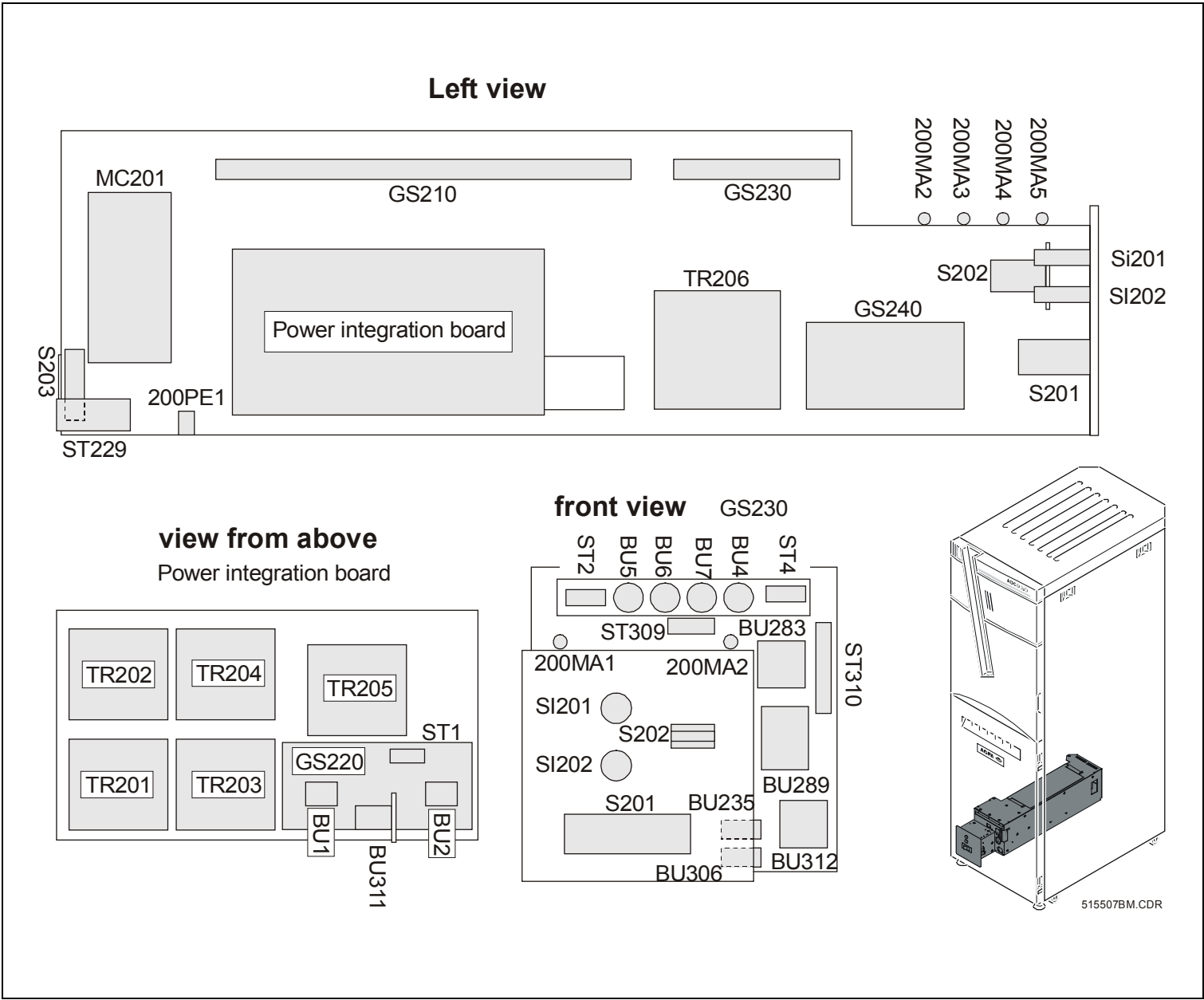


1.2. ADC Solo Frame (100)



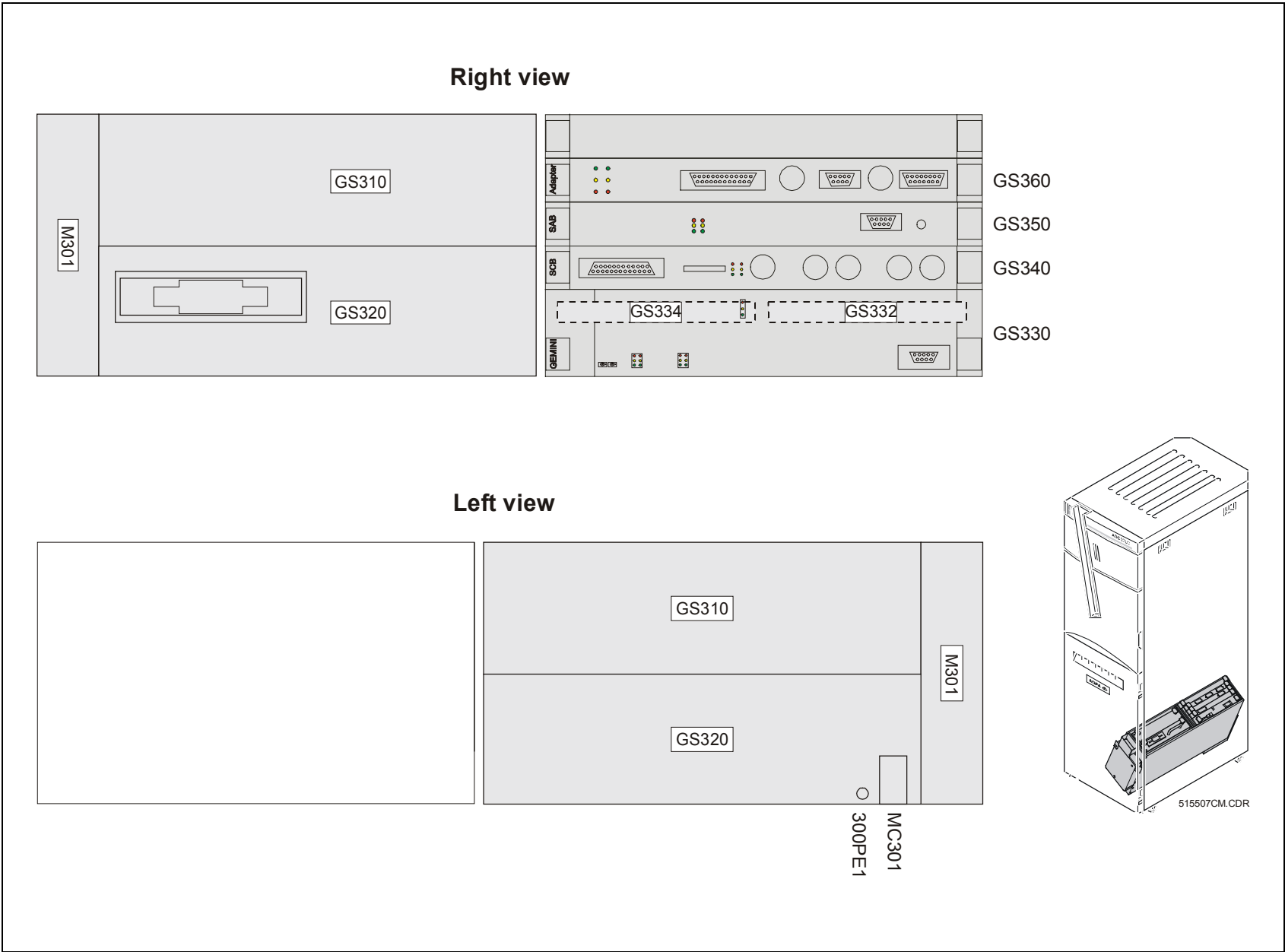
Abbreviations	Module	Designation
100 MA1 – 100 MA12	-100-	Chassis connection of shielded cables
BU61	-100-	Socket for Service-PC
BU122	-100-	Socket for Transport unit
BU353	-100-	Socket for Erasure unit fan
GS110	-100-	Ethernet board
GS112	-100-	LCD-Terminal
GS114	-100-	I/O Bus distributor board
GS116	-100-	Status & Emergency node
GS118	-100-	LCD-display
M101	-100-	Power unit fan
S101	-100-	Interlock switch right hand side
ST22	-100-	Plug for Transport unit
ST349	-100-	Plug for Erasure unit

1.3. ADC Solo Power unit (200)



Abbreviations	Module	Designation
200 MA1 - 200 MA5	-200-	Chassis connection of shielded cables
200 PE1	-200-	Ground
BU1	-200-	Socket for Current sense board
BU2	-200-	Socket for Current sense board
BU4	-200-	Socket for Power integration board
BU5	-200-	Socket for Power integration board
BU6	-200-	Socket for Power integration board
BU7	-200-	Socket for Power integration board
BU235	-200-	Socket for Power unit fan
BU283	-200-	Socket for Power integration board
BU289	-200-	Socket for Erasure unit
BU306	-200-	Socket for VME-Board (230 V)
BU311	-200-	Socket for Transformer
BU312	-200-	Socket for Erasure unit
GS210	-200-	Erasure control board
GS220	-200-	Current sense board
GS230	-200-	Power integration board
GS240	-200-	Galvo power supply 15 V
MC201	-200-	Line filter
S201	-200-	Mains switch with overload protection
S202	-200-	Interlock switch front side
S203	-200-	Line selector
SI201	-200-	Galvo power supply fuse T2.0A
SI202	-200-	Step motor transformer fuse T2.0A
ST1	-200-	Plug Current sense board
ST2	-200-	Plug Power integration board
ST4	-200-	Plug Power integration board
ST229	-200-	Mains plug
ST309	-200-	Plug Interlock switch right hand side
ST310	-200-	Plug I/O-Bus power unit
TR201	-200-	Transformer Erasure lamps 1, 6
TR202	-200-	Transformer Erasure lamps 2, 7
TR203	-200-	Transformer Erasure lamps 3, 8
TR204	-200-	Transformer Erasure lamps 4, 9
TR205	-200-	Transformer Erasure lamps 5, 10
TR206	-200-	Step motor transformer 30 V

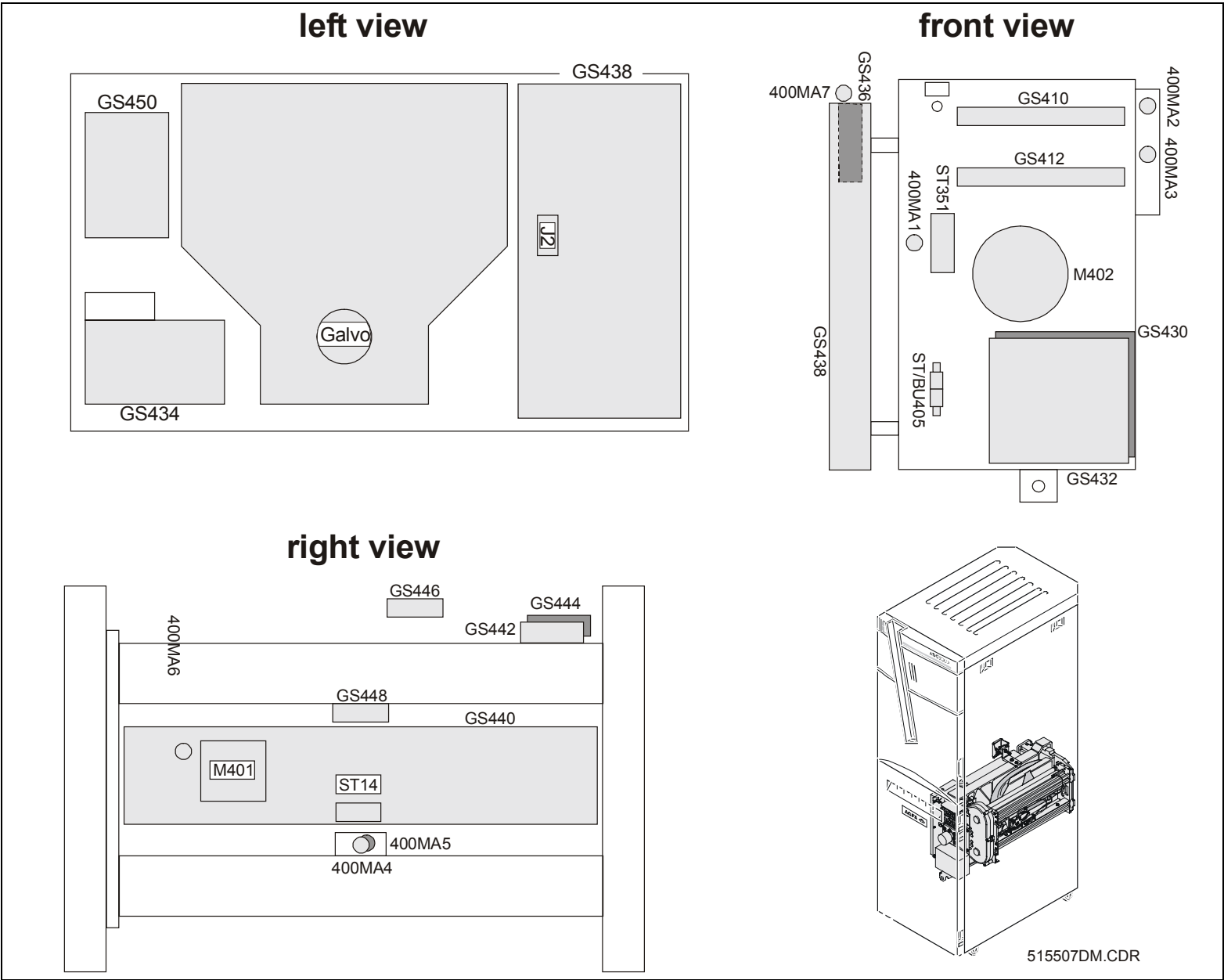
1.4. ADC Solo VME – Rack (300)



Abbreviations	Modul	Designation
300 PE1	-300-	Ground
GS310	-300-	VME power supply
GS320	-300-	VME storage board
GS330	-300-	VME Gemini board
GS332	-300-	BER. Board (Gemini board)
GS334	-300-	Mem. Board (Gemini board)
GS340	-300-	VME scan control board
GS350	-300-	VME scan acquisition board
GS360	-300-	VME adapter board
M301	-300-	VME fan
MC301	-300-	VME line filter

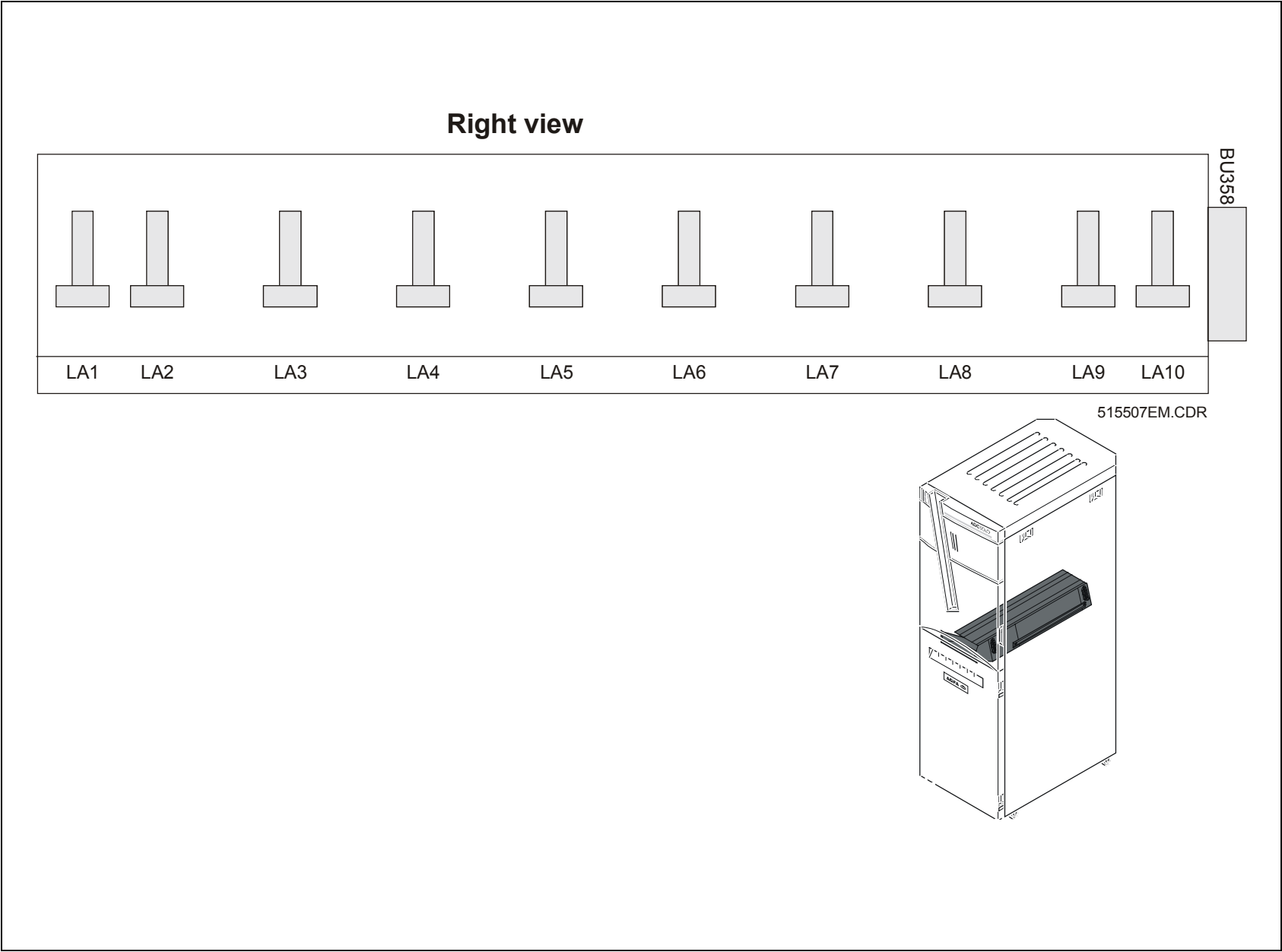


1.5. ADC Solo Scan unit (400)



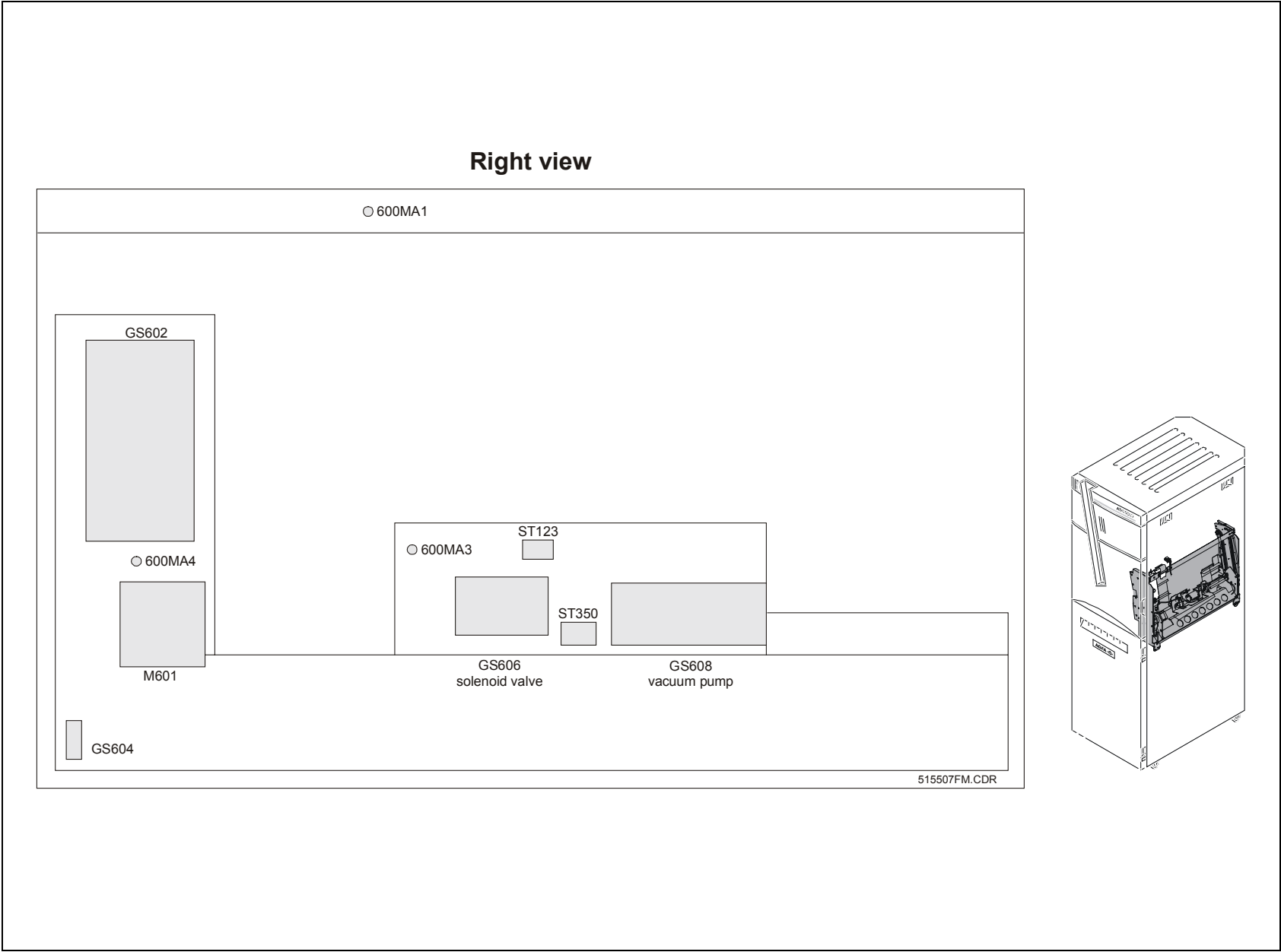
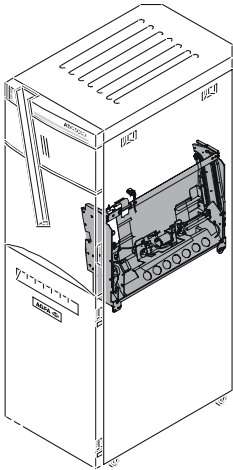
Abbreviations	Modul	Designation
400 MA1 - 400 MA7	-400-	Chassis connection of shielded cables
BU405	-400-	Socket for PIN-Diodes
GALVO	-400-	Galvo
GS410	-400-	Scan roller lift step motor board
GS412	-400-	Slowsan step motor board
GS430	-400-	PMT high tension control board
GS432	-400-	PMT high tension power supply
GS434	-400-	Laser module
GS436	-400-	Galvo adapter board
GS438	-400-	Galvo motor + driver board
GS440	-400-	PIN diode board
GS442	-400-	IP alignment light barrier - sender
GS444	-400-	IP alignment light barrier - receiver
GS446	-400-	Scanner IP detection light barrier
GS448	-400-	Scan roller lift 0-position light barrier
GS450	-400-	Photomultiplier (PMT) module
J2	-400-	Galvo
M401	-400-	Scan roller lift motor
M402	-400-	Slowsan motor
ST14	-400-	Plug for scan roller lift motor
ST351	-400-	Plug for I/O-Bus-scan
ST405	-400-	Plug for VME scan control board

1.6. ADC Solo Erasure unit (500)



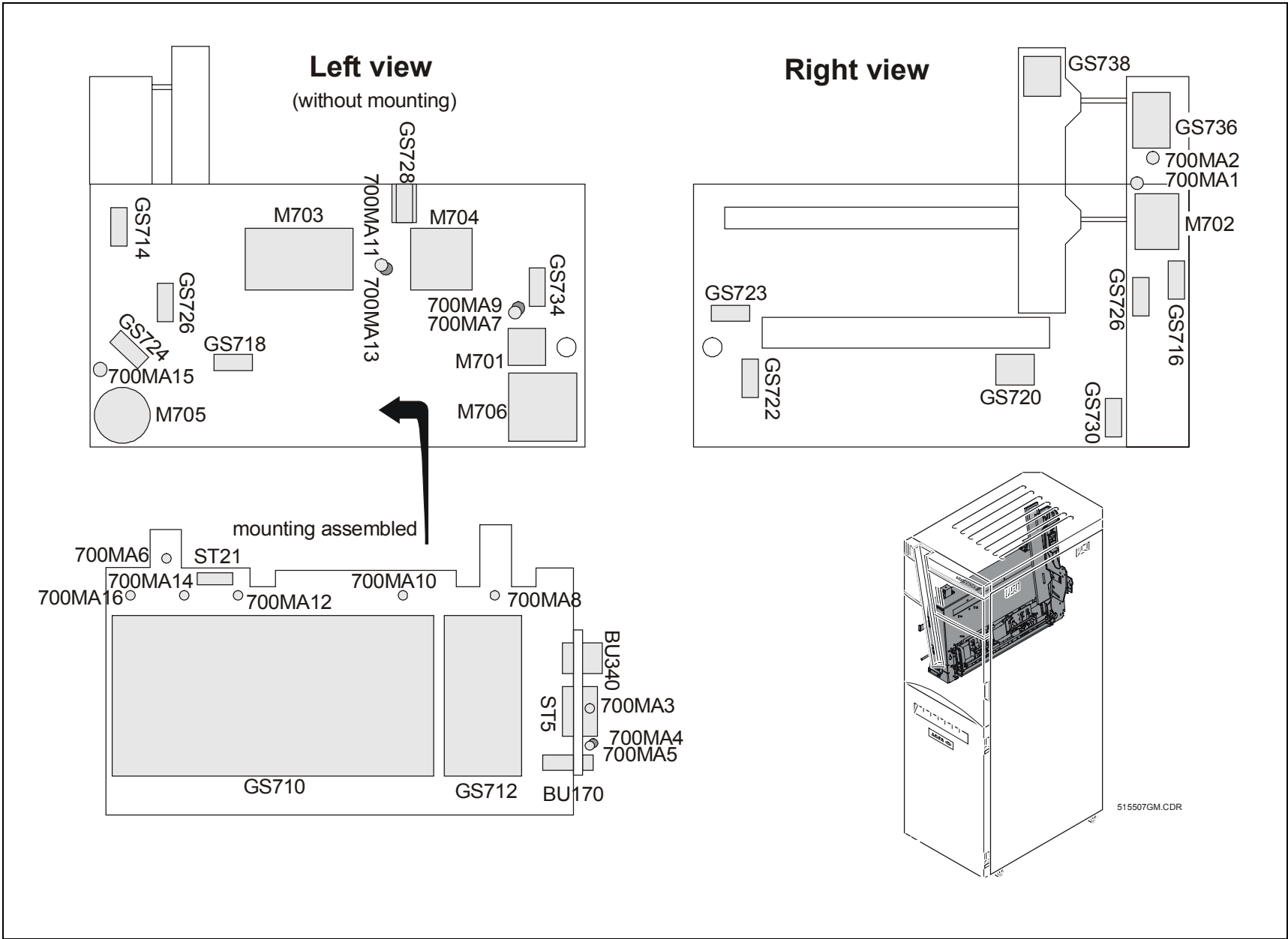
Abbreviations	Modul	Designation
BU358	-500-	Socket for erasure unit
LA1 - LA10	-500-	Erasure lamp No. 1 - erasure lamp No. 10

1.7. ADC Solo IP transport (600)



Abbreviations	Modul	Designation
600 MA1 - 600 MA4	-600-	Chassis connection of shielded cables
GS602	-600-	IP transport board
GS604	-600-	IP transport 0-position light barrier
GS606	-600-	Solenoid valve
GS608	-600-	Vacuum pump
M601	-600-	IP transport motor
ST123	-600-	Plug for power supply stepper motor
ST350	-600-	Plug for solenoid valve and vacuum pump

1.8. ADC Solo Cassette unit (700)

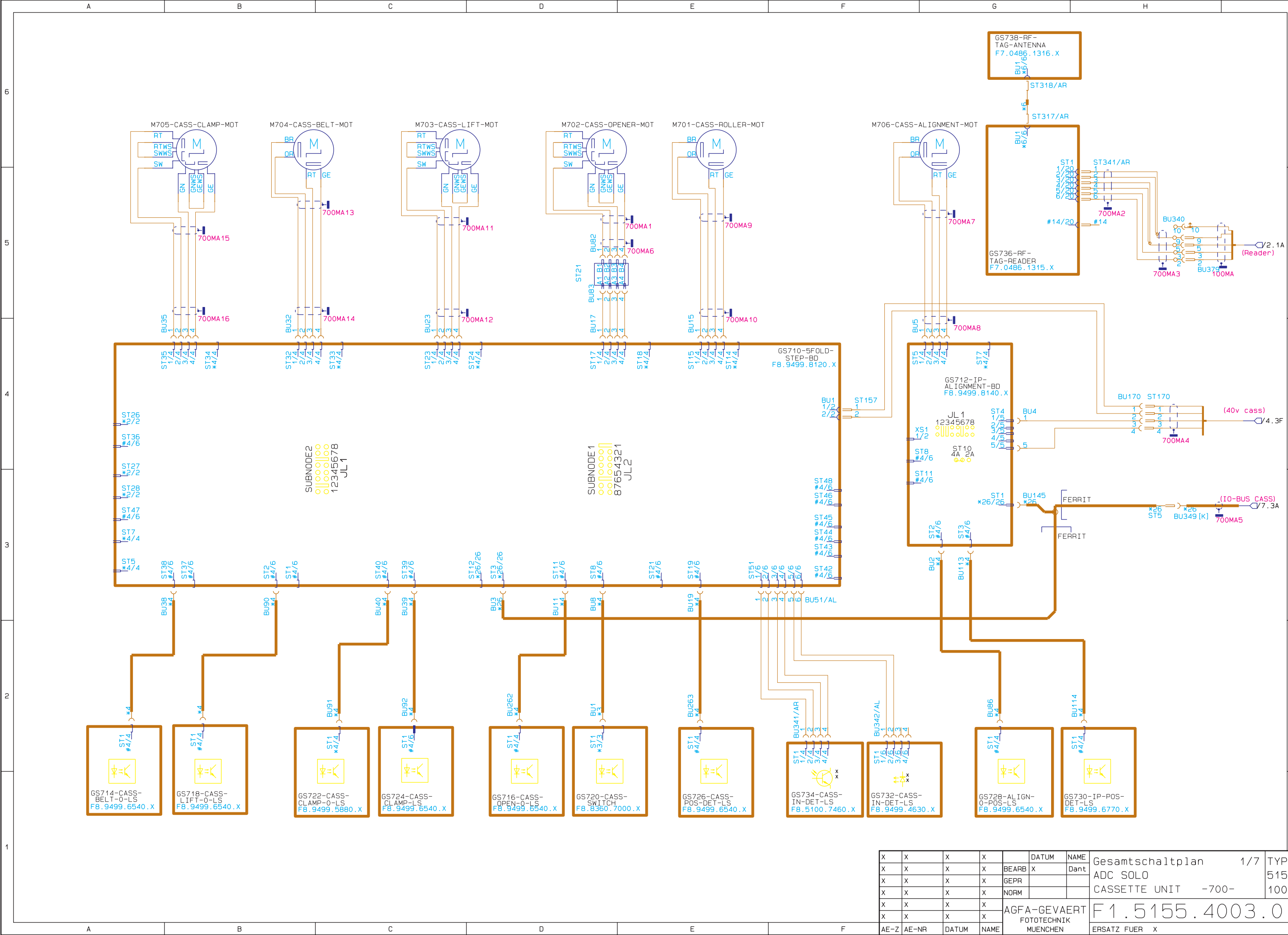


Abbreviations	Modul	Designation
700 MA1 - 700 MA16	-700-	Chassis connection of shielded cables
BU170	-700-	Socket for 40 V cassette power supply
BU340	-700-	Socket for RF-tag serial reader
GS710	-700-	Fivefold stepper board
GS712	-700-	IP alignment board
GS714	-700-	Cassette belt 0-position light barrier
GS716	-700-	Cassette opener 0-position light barrier
GS718	-700-	Cassette lift 0-position light barrier
GS720	-700-	Cassette detection switch
GS722	-700-	Cassette clamp 0-position light barrier
GS724	-700-	Cassette clamp light barrier
GS726	-700-	Cassette position detection light barrier
GS728	-700-	IP alignment 0-position light barrier
GS730	-700-	IP position detection light barrier
GS732	-700-	Cassette input detection light barrier - sender
GS734	-700-	Cassette input detection light barrier - receiver
GS736	-700-	RF-tag serial reader
GS738	-700-	RF-tag antenna
M701	-700-	Cassette roller motor
M702	-700-	Cassette opener motor
M703	-700-	Cassette lift motor
M704	-700-	Cassette unit belt motor
M705	-700-	Cassette clamping motor
M706	-700-	IP alignment step motor
ST5	-700-	Plug for I/O-Bus cassette unit
ST21	-700-	Plug and Socket (Cassette opener motor)

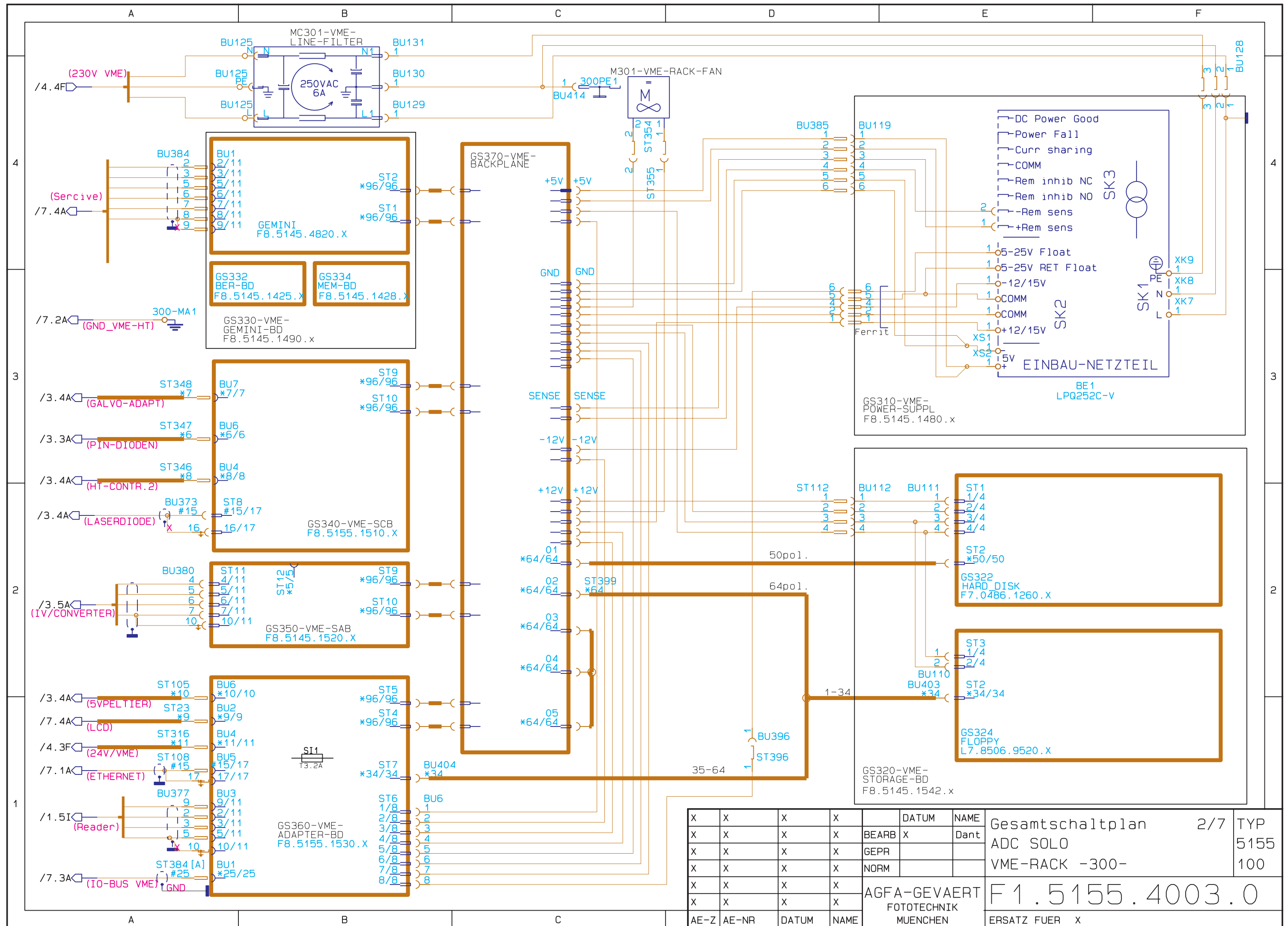


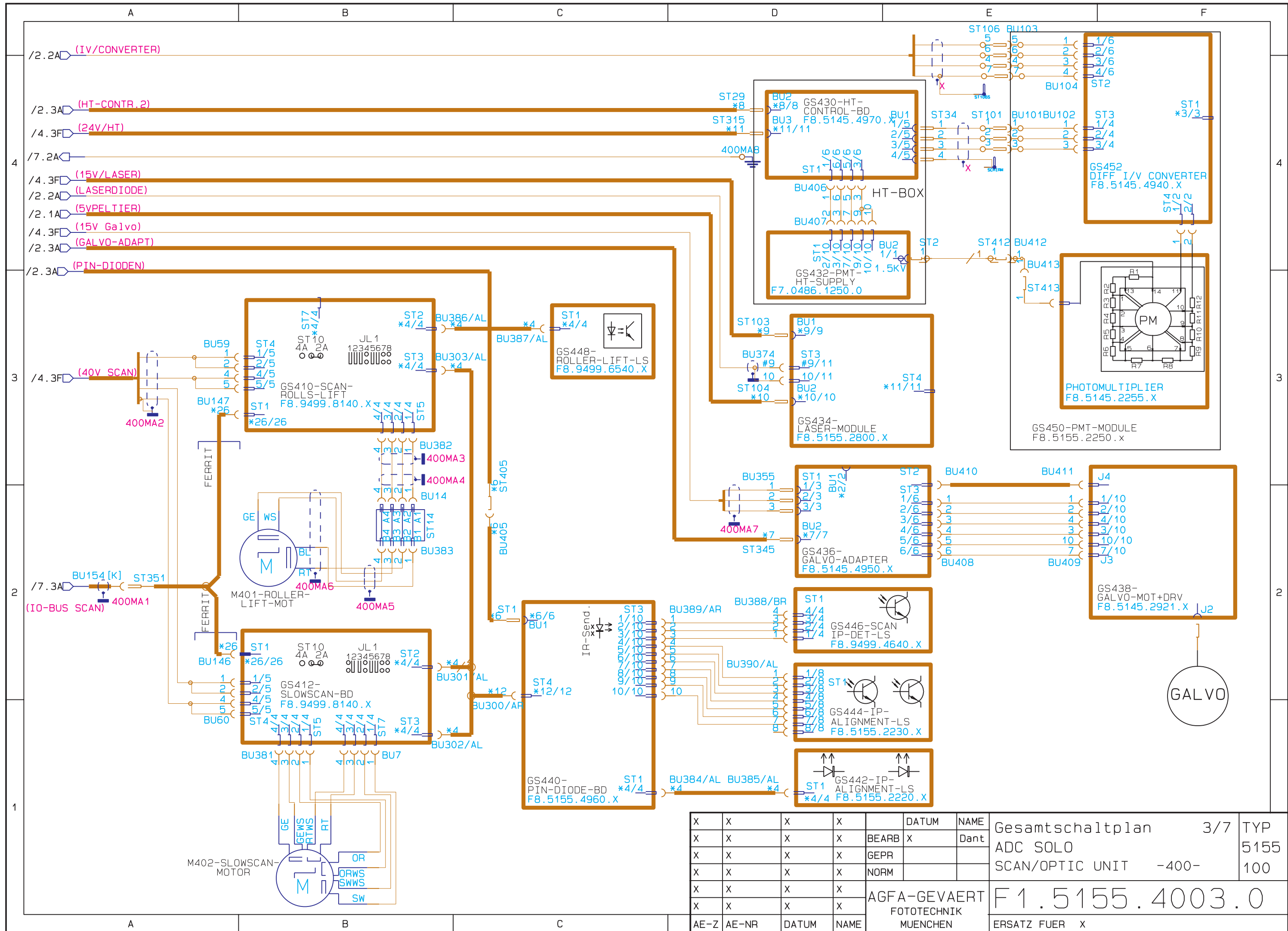
## 2. Printed Circuit Boards

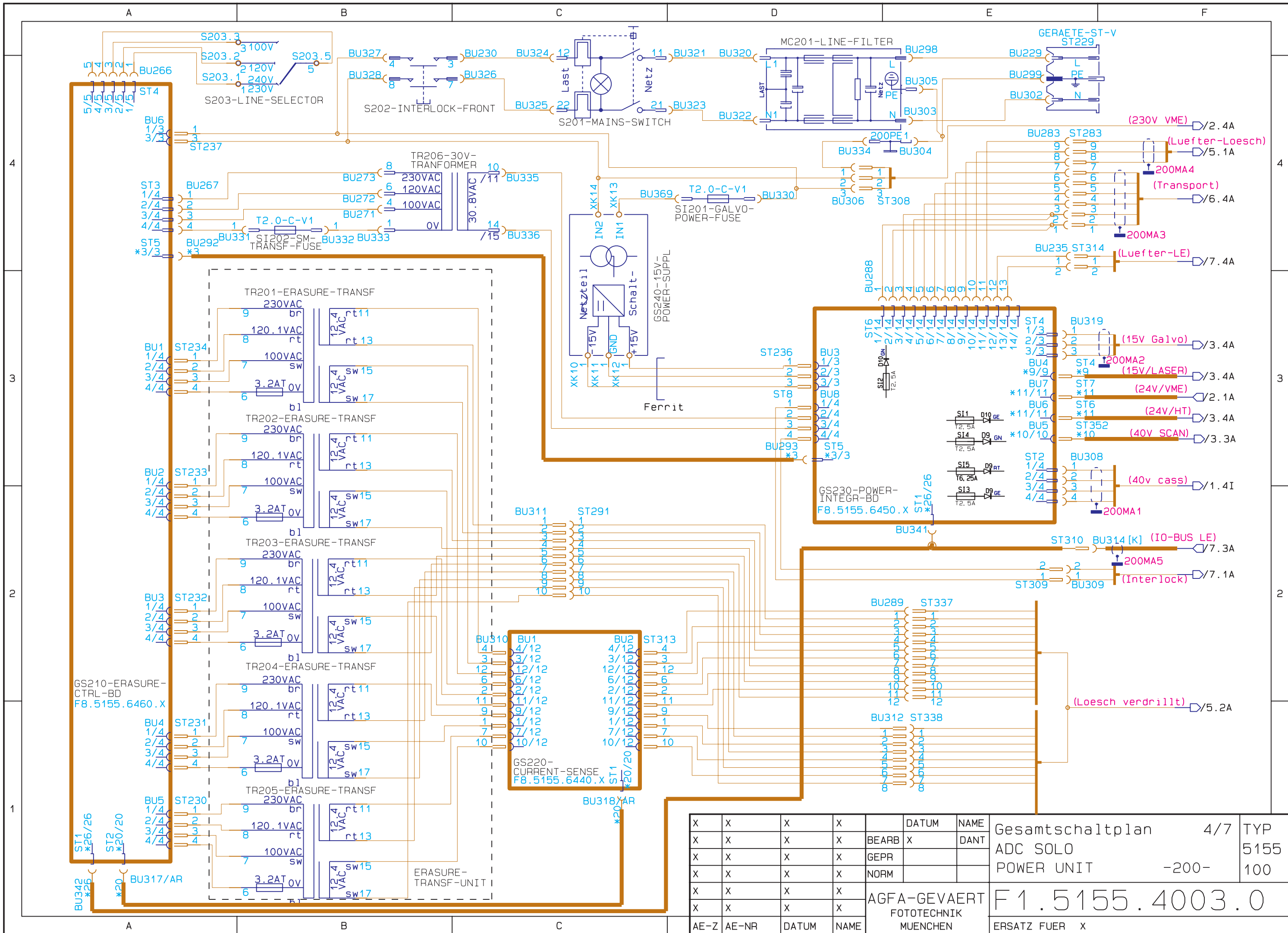
Diagram	No.	Unit	Module
Overall circuit diagram	1 / 7	Cassette unit	-700-
Overall circuit diagram	2 / 7	VME – Rack	-300-
Overall circuit diagram	3 / 7	Scan / optic unit	-400-
Overall circuit diagram	4 / 7	Power unit	-200-
Overall circuit diagram	5 / 7	Erase unit	-500-
Overall circuit diagram	6 / 7	IP – transport unit	-600-
Overall circuit diagram	7 / 7	Frame	-100-



X	X	X	X		DATUM	NAME	Gesamtschaltplan	1/7	TYP
X	X	X	X	BEARB	X	Dant	ADC SOLO		5155
X	X	X	X	GEPR			CASSETTE UNIT	-700-	100
X	X	X	X	NORM					
X	X	X	X						
X	X	X	X						
X	X	X	X						
AE-Z	AE-NR	DATUM	NAME		AGFA-GEVAERT	FOTOTECHNIK	F 1.5155.4003.0		
					MUENCHEN		ERSATZ FUER	X	

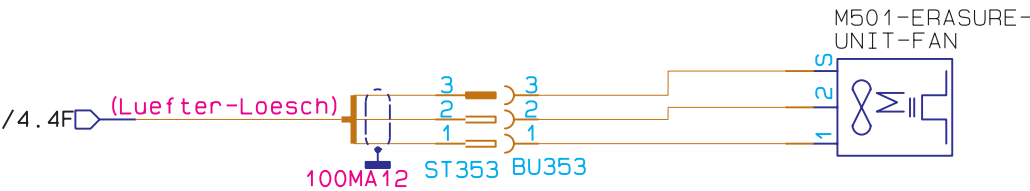
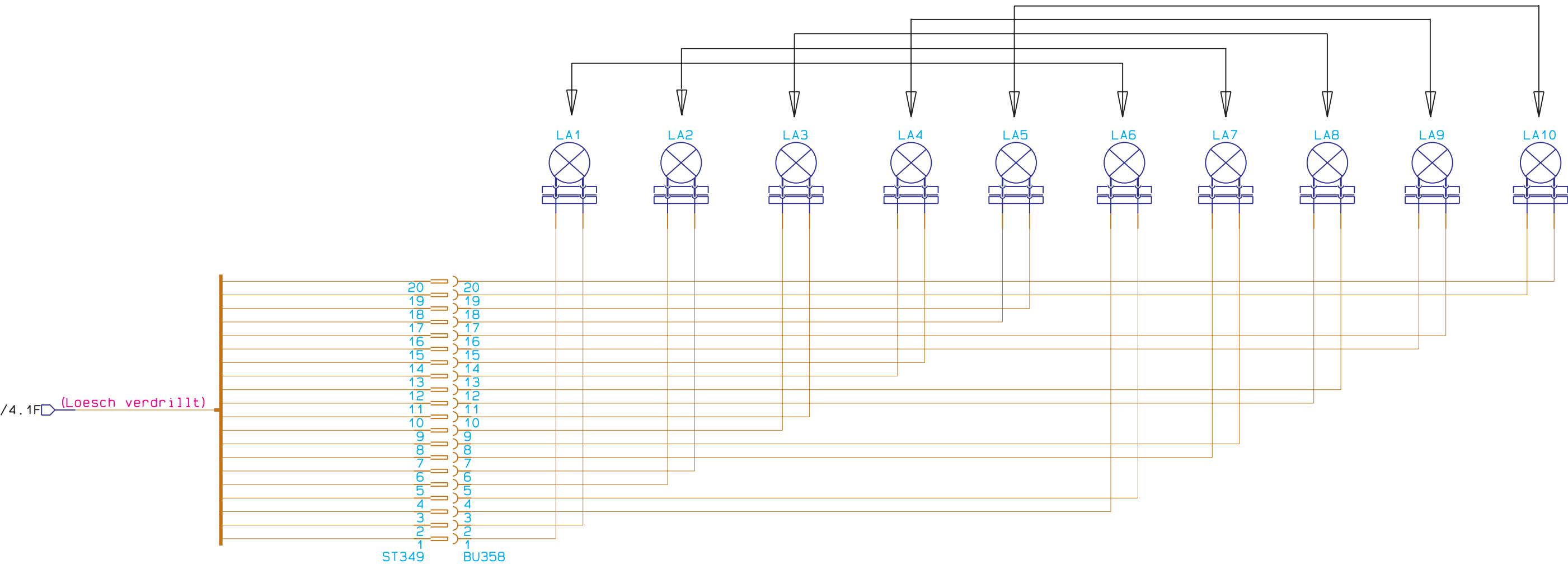






X	X	X	X		DATUM	NAME	Gesamtschaltplan	4/7	TYP
X	X	X	X	BEARB	X	DANT	ADC SOLO		5155
X	X	X	X	GEPR			POWER UNIT	-200-	100
X	X	X	X	NORM					
X	X	X	X						
X	X	X	X						
X	X	X	X	AGFA-GEVAERT			F1.5155.4003.0		
X	X	X	X	FOTOTECHNIK					
AE-Z	AE-NR	DATUM	NAME	MUENCHEN			ERSATZ FUER	X	

ERASURE-LAMPS



X	X	X	X		DATUM	NAME	Gesamtschaltplan	5/7	TYP
X	X	X	X	BEARB	X	DANT	ADC SOLO		5155
X	X	X	X	GEPR			ERASURE UNIT	-500-	100
X	X	X	X	NORM			F 1.5155.4003.0		
X	X	X	X	AGFA-GEVAERT					
X	X	X	X	FOTOTECHNIK					
X	X	X	X	MUEENCHEN					
AE-Z	AE-NR	DATUM	NAME				ERSATZ FUER X		





